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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/818,545	03/28/2001	Shuntaro Aratani	35.C15233	9431

5514 7590 06/20/2006

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EXAMINER

MANNING, JOHN

ART UNIT PAPER NUMBER

2623

DATE MAILED: 06/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

NRES

Previously Mailed

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	09/818,545	ARATANI ET AL.	
	Examiner	Art Unit	
	Jamieson W. Fish	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-58 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-58 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 March 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☒ Other: Previously Mailed Office Action

***Supplemental Note***

The Examiner of record has change from Jameson Fish to John Manning.

Applicant has requested a re-mailing of the previous Office Action. Attached is a copy of the previously mailed Office Action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Manning whose telephone number is 571-272-7352. The examiner can normally be reached on M-F: 9:00 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Miller can be reached on 571-272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JM  
June 2, 2006



JOHN MILLER  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600

## DETAILED ACTION

### *Claim Objections*

1. Claims 29-31 are objected to because of the following informalities: Claims 29-31 recites the limitation "said signal processor." The claims have been interpreted with "said processor" replacing "said signal processor." Appropriate correction is required.

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-3, 5-16, 18-19, 21-28, 33-42, 44-50, 53-57 are rejected under 35 U.S.C. 102(b) as being anticipated by Redford et al. (US 5,624,265).
3. Regarding claim 1, Redford teaches an information processing apparatus, comprising: input means for entering a data string composed of a plurality of information (See Fig. 1 Remote 100 and Col. 8 lines 51-67, Col. 9 lines 1-61, Col. 12 lines 66-67, Col. 13 lines 1-67, Col. 14 lines 1-41 Remote is used to select a file), said data string being output onto display means (See Fig. 1E Remote 100 Col. 8 lines 51-67, Col. 9 lines 1-61, Col. 12 lines 66-67, Col. 13 lines 1-67, Col. 14 lines 1-41 The user pushes a button on the remote and a page is displayed); extracting means for extracting

information automatically from said data string entered by said input means according to a predetermined condition (See Fig. 1E PC 120 Col. 8 lines 51-67, Col. 9 lines 1-61, Col. 12 lines 66-67, Col. 13 lines 1-67, Col. 14 lines 1-41 Information is automatically extracted when button is pushed); generating means for generating print data for printing the information extracted by said extracting means (See PC 120 Col. 8 lines 51-67, Col. 9 lines 1-61, Col. 12 lines 66-67, Col. 13 lines 1-67, Col. 14 lines 1-41 Since data can be printed it is inherent that PC must generate data for printing); and output means for outputting the print data generated by said generating means to printing means (See PC 120 Col. 8 lines 51-67, Col. 9 lines 1-61, Col. 12 lines 66-67, Col. 13 lines 1-67, Col. 14 lines 1-41 Since data can be printed, output means is inherent).

4. Regarding claim 2, Redford teaches wherein identification information for identifying each of a plurality of said information is added to each of a plurality of said information (See Fig. 9A Col. 8 lines 51-67, Col. 43 lines 55-67, Col. 44 lines 64-67, Col. 45 lines 1-5 Files have names); and said extracting means extracts information according to said predetermined condition and said identification information (See Col. 13 lines 23-48 Information is extracted upon user selection (predetermined condition)).

5. Regarding claim 3, Redford teaches wherein said identification information denotes an item in accordance with a data format and the content of each of a plurality of said information (Col. 43 lines 55-67, Col. 44 lines 64-67, Col. 45 lines 1-5 Files have extensions).

6. Regarding claim 5, Redford teaches wherein a plurality of said information include any one of text information for denoting characters, patterns, etc., still image

data, movie image data, and voice data (See Col. 8 lines 51-67, Col. 9 lines 1-61, Col. 43 lines 1-23).

7. Regarding claim 6, Redford teaches wherein said data string is sent by digital data-broadcasting (See Col. 12 lines 66-67, Col. 13 lines 1-67, Col. 14 lines 1-41).

8. Regarding claim 7, Redford teaches wherein said generating means generates said print data so as to make information extracted by said extracting means correspond to printing position information and/or printing size information (See Col. 9 lines 44-53, Col. 45 lines 30-43 The extracted information contains information about it's size and position. This information corresponds to printing information).

9. Regarding claim 8, Redford teaches the apparatus further comprising: condition setting means for setting said predetermined condition, wherein said extracting means extracts said information according to said condition set by said condition setting means (See Col. 44 lines 22-35, Col. 45 lines 53-61 Author specifies which page will be displayed when user pushes a button).

10. Regarding claim 9, the USPTO considers Applicant's "or" language to be anticipated by any reference containing any of the subsequent corresponding elements. Redford teaches wherein said condition setting means sets said condition according to the date and time of said data string entry by said input means or according to inputs by a plurality of operators (See Fig. 6B and Col. 13 lines 60-67 Condition is set according to which button is pushed).

11. Regarding claim 10, Redford teaches wherein said predetermined condition differs among service types for sending a plurality of information items entered by said

input means (See Fig. 6B and Col. 13 lines 63-67 Different buttons choose different content).

12. Regarding claim 11, Redford teaches wherein said predetermined condition specifies a rate of advertisement information to the information extracted by said extracting means, differently among said service types (See Col. 30 lines 42-67, Col. 31 lines 1-11 Magazines include advertisements, books do not).

13. Regarding claim 12, Redford teaches wherein said predetermined condition specifies the number of items of information extracted by said extracting means for each category of a plurality of said information items (See Fig. 1G Col. 8 lines 51-67 When the user chooses a page to be displayed a predetermined number of files (pictures, videos, etc.) composing that page are extracted).

14. Regarding claim 13, Redford teaches the apparatus further comprising: processing means for executing a plurality of processings for a plurality of said information held in said data string entered by said input means (See Fig. 1E Col. 13 lines 1-13); assigning means for assigning a code automatically to a processing of information extracted by said extracting means (See Col. 13 lines 40-56, Col. 49 lines 52-61 Code is automatically associated with content); and controlling means for controlling said processing means so as to process said information according to a code assigned by said assigning means (See Col. 13 lines 23-56 Remote control controls processing of content).

15. Regarding claim 14, Redford teaches wherein a plurality of said information include information distributed by data-broadcasting (See Col. 13 lines 1-13); and said

assigning means assigns said code to at least any one of a display of images including still images and movie images, a display of text information denoting characters, patterns, etc., a voice output, and a program execution related respectively to information extracted by said extracting means (See Col. 49 lines 43-61).

16. Regarding claim 15, Redford teaches wherein said code is output to said printing means so as to correspond to information related to said assigned processing (See Col. 9 lines 43-53, Col. 13 lines 14-56, Col. 39 lines 45-67, Col. 40 lines 1-23).

17. Regarding claim 16, Redford teaches further comprising: code input means for entering a given code manually, wherein said controlling means controls said processing means according to a code entered by said code input means and said assigned code (See Col. 13 lines 23-56 Remote control controls processing of content).

18. Regarding claim 18, Redford teaches further comprising: code input means for entering a given code manually, and wherein said controlling means controls said processing means according to a code entered by said code input means and said assigned code (See Col. 13 lines 23-56).

19. Regarding claim 19, Redford teaches wherein a plurality of said information include second code information that makes a second code correspond to a processing executed by said processing means, and said controlling means controls said processing means according to said second code entered by said code input means and said second code information (See Col. 13 lines 13-67 Each page has a different code).



20. Regarding claim 21, Redford teaches further comprising: data sending means for sending a printing result to an external information processing apparatus when said printing result is output from said output means to said printing means (Fig. 1E and Col. 13 lines 1-13 Computer can send to a host computer through a network connection).

21. Regarding claim 22, Redford teaches an information processing apparatus, comprising: processing means for executing a plurality of processings for a plurality of entered information (See Fig. 1E Col. 13 lines 1-13); information selecting means for selecting an information from among a plurality of said information according to a predetermined condition (See Col. 13 lines 23-56 Remote Control selects content); assigning means for assigning a code automatically to a processing for said information selected by said information selecting means (See Col. 13 lines 40-56, Col. 49 lines 52-61 Code is automatically associated with content); and controlling means for controlling said processing means so as to process said information according to a code assigned by said assigning means (See Col. 13 lines 23-56 Remote control controls processing of content).

22. Regarding claim 23, the USPTO considers Applicant's "at least any one of" language to be anticipated by any reference containing any of the subsequent corresponding elements. Redford teaches wherein said selecting condition is set to select at least any one of information distributed by data-broadcasting (Col. 13 lines 1-13, lines 49-56), information denoting the state of said signal processor, information denoting the state of a peripheral device connected to said signal processing apparatus, and TV program information.

23. Regarding claim 24, Redford teaches wherein said selecting condition is set to specify the number of items of information selected by said information selecting means for each category of a plurality of said information (See Fig. 1G Col. 8 lines 51-67 When the user chooses a page to be displayed a predetermined number of files (pictures, videos, etc.) composing that page are extracted).

24. Regarding claim 25, Redford teaches the apparatus further comprising: output means for outputting print data to a printer, said printer data being used to print information selected by said information selecting means and a code assigned by said assigning means so that they correspond to each other (See PC 120 Col. 8 lines 51-67, Col. 9 lines 1-61, Col. 12 lines 66-67, Col. 13 lines 1-67, Col. 14 lines 1-41 Since data can be printed, output means is inherent); code input means for entering a given code manually (See Col. 13 lines 40-48); and controlling means for controlling said processing means so as to execute a processing according to a code assigned by said assigning means and a code entered by said code input means (See Col. 13 lines 23-56 Remote control controls processing of content).

25. Regarding claim 26, Redford teaches the apparatus further comprising: generating means for generating said print data, and wherein said generating means generates said print data according to the type of said information, the number of items of said information, and printing position information of said information set respectively according to said selected condition (See PC 120 Col. 8 lines 51-67, Col. 9 lines 1-61, Col. 12 lines 66-67, Col. 13 lines 1-67, Col. 14 lines 1-41 Print data replicates electronic content).

26. Regarding claim 27, Redford teaches the apparatus further comprising: output means for outputting image data or text data related to any of a plurality of said information to display means, wherein a plurality of said information include image data including still images and movie images or text data denoting characters, patterns, etc (See Fig. 1G Col. 8 lines 51-67 When the user chooses a page to be displayed a predetermined number of files (pictures, videos, etc.) composing that page are extracted).

27. Regarding claim 28, Redford teaches wherein a plurality of said information include information distributed by data-broadcasting, and said assigning means assigns said code to at least any one of a still image display, a text display, a voice output, and a program execution related respectively to said selected information (See Col. 49 lines 42-61).

28. Regarding claims 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 44, 45, 47, claims 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 44, 45, 47, are method claims corresponding to the apparatus of claims 1, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 21. Thus, claims 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 44, 45, 47, are analyzed and rejected with respect to claims 1, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 21.

29. Regarding claim 46, Redford teaches wherein said second code is printed out on a publication and/or displayed as information via network (See Col. 39 lines 45-67 and Col. 40 lines 1-23 Various articles can be printed out).

30. Regarding claim 48, Redford teaches a printer, comprising: input means for entering print data generated by an information processing apparatus that generates

said print data for printing information extracted automatically from a data string composed of a plurality of information according to a predetermined condition, said data string being output onto a display device (See Fig. 1 Remote 100 and Col. 8 lines 51-67, Col. 9 lines 1-61, Col. 12 lines 66-67, Col. 13 lines 1-67, Col. 14 lines 1-41 Remote is used to select a file); and printing means for printing out said extracted information according to print data entered by said input means (See PC 120 Col. 8 lines 51-67, Col. 9 lines 1-61, Col. 12 lines 66-67, Col. 13 lines 1-67, Col. 14 lines 1-41 Since data can be printed, output means is inherent).

31. Regarding claim 49, Redford teaches a data-broadcasting receiving apparatus, comprising: receiving means for receiving data-broadcasting data composed of a plurality of information, said data-broadcasting data being output onto display means (See Fig. 1 Col. 13 lines 1-13); extracting means for extracting information automatically from data-broadcasting data received by said receiving means according to a predetermined condition (See PC 120 Col. 8 lines 51-67; Col. 9 lines 1-61, Col. 12 lines 66-67, Col. 13 lines 1-67, Col. 14 lines 1-41 Information is automatically extracted the user selects information); generating means for generating print data for printing out information extracted by said extracting means (See PC 120 Col. 8 lines 51-67, Col. 9 lines 1-61, Col. 12 lines 66-67, Col. 13 lines 1-67, Col. 14 lines 1-41 Since data can be printed it is inherent that PC must generate data for printing); and output means for outputting print data generated by said generating means to printing means (See PC 120 Col. 8 lines 51-67, Col. 9 lines 1-61, Col. 12 lines 66-67, Col. 13 lines 1-67, Col. 14 lines 1-41 Since data can be printed, output means is inherent).

32. Regarding claim 50, Redford teaches wherein said predetermined condition specifies a category of said plurality of information (Col. 9 lines 5-13 and Col. 39 lines 45-62).

33. Regarding claim 53, Redford teaches the apparatus further comprising: condition setting means for setting said predetermined condition, and wherein said predetermined condition depends on user information set by said condition setting means (See Col. 43 lines 10-18 Application developer sets users controls which are predetermined conditions that depend on user information).

34. Regarding claim 54, Redford teaches the apparatus further comprising: processing means for executing a plurality of processings for a plurality of information held in the data-broadcasting data received by said receiving means (See Fig. 1E Col. 13 lines 1-13); assigning means for assigning a code automatically to a processing of information extracted by said extracting means (See Col. 13 lines 40-56, Col. 49 lines 52-61 Code is automatically associated with content); and controlling means for controlling said processing means so as to process said information according to a code assigned by said assigning means (See Col. 13 lines 23-56 Remote control controls processing of content).

35. Regarding claim 55, Redford teaches wherein said assigning means assigns said code to at least any one of a display of images including still images, moving images, etc., a display of text information denoting characters, patterns, etc., a voice output, and a program execution with respect respectively to information extracted by said extracting means (Col. 49 lines 42-61).

36. Regarding claim 56, Redford teaches wherein said code is output to said printing means so as to correspond to information related to said assigned processing (See Col. 9 lines 43-53, Col. 13 lines 14-56, Col. 39 lines 45-67, Col. 40 lines 1-23).

37. Regarding claim 57, Redford teaches the apparatus further comprising: code input means for entering a given code manually (See Col. 13 lines 23-56 Remote control controls processing of content), and wherein said controlling means controls said processing means according to a code entered by said code input means and said assigned code (See Col. 13 lines 23-56).

38. Claims 1 and 4 are rejected under 35 U.S.C. 102(b) as being anticipated by Lee et al. (US 5,937,163).

39. Regarding claim 1, Lee teaches an information processing apparatus, comprising: input means for entering a data string composed of a plurality of information (See Fig. 2 Manual Input Device 16 and Col. 3 lines 30-37), said data string being output onto display means (See Col. 6 lines 63-67, Col. 7 lines 1-13); extracting means for extracting information automatically from said data string entered by said input means according to a predetermined condition (See Fig. 9 Step 218 and Col. 16 lines 10-23); generating means for generating print data for printing the information extracted by said extracting means (See Col. 12 lines 8-13 Since information can be printed, generating means is inherent); and output means for outputting the print data generated by said generating means to printing means (See Col. 12 lines 8-13).

40. Regarding claim 4, Lee teaches wherein said data string composed of data described with a markup language (Col. 16 lines 10-23).

41. Claims 22, 29-32 are rejected under 35 U.S.C. 102(e) as being anticipated by Marsh et al. (US 6,208,799).

42. Regarding claim 22, Marsh teaches an information processing apparatus, comprising: processing means for executing a plurality of processings for a plurality of entered information (See Fig. 2 CPU 25 and Col. 6 lines 47-61); information selecting means for selecting an information from among a plurality of said information according to a predetermined condition (See Col. 5 lines 37-40 Col. 6 lines 57-61); assigning means for assigning a code automatically to a processing for said information selected by said information selecting means (See Col. 2 lines 23-65 Codes are automatically assigned to programs); and controlling means for controlling said processing means so as to process said information according to a code assigned by said assigning means (See Col. 2 lines 47-54 If user enters code program is set to be recorded).

43. Regarding claim 29, Marsh teaches wherein a plurality of said information include information denoting the state of said processor, and said assigning means assigns said code to a predetermined processing according to the state of said processor (See Col. 7 lines 24-47 A program may or may not be added to the recording schedule based on the current recording schedule).

44. Regarding claim 30, Redford teaches wherein a plurality of said information include information denoting the state of a software program installed in said processor, and said assigning means assigns a code to a predetermined processing according to the state of said software program (See Fig. 4 Set 39 and Col. 7 lines 24-47 A program may or may not be added to the recording schedule based on the recording schedule).

45. Regarding claim 31, the USPTO considers Applicant's "at least any one of" language to be anticipated by any reference containing any of the subsequent corresponding elements. Redford teaches wherein a plurality of said information include information denoting the state of a peripheral device connected to said processor (See Col. 6 lines 47-56 The recording schedule is a state of the VCR, a peripheral device), and said assigning means assigns a code to at least any one of a control instruction issued to said peripheral device, a display of image information or text information related to the state of said peripheral device, and a voice output related to the state of said peripheral device (See Col. 6 lines 47-56 A display image shows the recording schedule).

46. Regarding claim 32, Marsh teaches wherein a plurality of said information include information of a TV program, and said assigning means assigns a code to a recording reservation setting processing related to said TV program (See Col. 2 lines 23-54).

***Claim Rejections - 35 USC § 103***

47. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

48. Claim 43 is rejected under 35 U.S.C. 103(a) as being unpatentable over Redford in view of Liebenow (US 6,817,289).

49. Regarding claim 43, Redford teaches wherein text representing an article (Code) can be printed (Col. 39 lines 45-67, Col. 40 lines 1-23). Redford fails to disclose where



the user has the ability to control the color of which the text is printed out. However, systems that display and print text that give the user the ability to control the color which text is printed out is well known in the art as taught by Liebenow (See Col. 3 lines 11-51). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Redford with Liebenow to give the user the ability to control the color which text is printed out to allow the user to preserve color ink resources (See Liebenow Col. 4 lines 52-56).

50. Claims 17, 20, 58 are rejected under 35 U.S.C. 103(a) as being unpatentable over Redford in view of Liebenow and further in view of Yuen et al. (US 6,477,705).

51. Regarding claims 17, 20, 58, Redford teaches wherein text representing an article (Code) can be printed (Col. 39 lines 45-67, Col. 40 lines 1-23). Redford fails to disclose where the user has the ability to control the color of which the text is printed out. However, systems that display and print text that give the user the ability to control the color which text is printed out is well known in the art as taught by Liebenow (See Col. 3 lines 11-51). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Redford with Liebenow to give the user the ability to control the color which text is printed out to allow the user to preserve color ink resources (See Liebenow Col. 4 lines 52-56). Redford modified with Liebenow differs from the claimed invention in that the input means does not have color buttons that when pressed, print out text in the corresponding color. However, input means with color buttons for allowing a user to perform various functions are well known in the art as taught by Yuen (See Fig. 2, Buttons 36-39 and Col. 5 lines 39-47). Therefore, it

would have been obvious to one of ordinary skill in the art at the time the invention was made to further modify Redford so that the input means comprised of color buttons as taught by Yuen to allow the user to print in various colors with a single touch of a button (See Yuen Col. 5 lines 45-47).

52. Claims **51** and **52** are rejected under 35 U.S.C. 103(a) as being unpatentable over Redford in view of Kawaguchi (US 6,271,893)

53. Regarding claim **51**, Redford differs from the claimed invention in that Redford data is received by the receiving device when the user requests the data and not at a predetermined time. However, it is well known to have reservation setting means set a schedule for when a set top box is to receive data as taught by Kawaguchi (See Col. 5 lines 20-44, col. 7 lines 6-23). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Redford to have a reservation setting means for reserving the operation of the reserving means to receive data at a predetermined time as taught by Kawaguchi to ensure the reception of data (See Kawaguchi Col. 1 lines 49-53).

54. Regarding claim **52**, Redford modified with Kawaguchi teaches wherein said predetermined condition depends on said predetermined time set by said reservation setting means (See Kawaguchi Col. 5 lines 20-44 Receiver extracts information according to a schedule).


### ***Conclusion***

55. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jamieson W. Fish whose telephone number is 571-272-7307. The examiner can normally be reached on Monday-Friday, 8:00-5:30.

56. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ngoc Vu can be reached on 571-272-7320. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

57. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JF 4/18/2005



NGOC-YEN VU  
PRIMARY EXAMINER